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INFO		25X1A			

25X1A

FILE **JUR, FE**

25X1A C O N F I D E N T I A L 100729Z CITE

LOGISTICS INFO DIRECTOR

25X1A REF

1. EXISTING STEP REGULATORS ARE CONNECTED OPEN DELTA EACH RATED 100 AMP, 144 KVA AT 14400 VOLTS OR 288 KVA TOTAL.

2. TOTAL BASE LOAD HAS NOW REACHED 2300 KILOWATTS OR 120 AMPERES PER PHASE AT 13800 VOLTS, 80 PERCENT POWER FACTOR.

3. DO NOT UNDERSTAND 3.47 TIMES INCREASE PARA 2. PROPOSED 500 KVA REGULATOR WILL REPLACE 2-144 KVA SINGLE PHASE OPEN DELTA CONNECTED REGULATORS FOR TOTAL OF 288 KVA OR 1.735 TIMES INCREASE.

4. THREE PHASE REGULATOR CHOSEN OVER SINGLE PHASE UNITS AS

25X1A LITERATURE AVAILABLE INDICATES 100 AMP 13800 VOLT 138 KVA UNITS ARE LARGEST SIZE MANUFACTURED. IF SINGLE PHASE REGULATORS OF 13800 VOLT, 200 AMP, 276 KVA CAPACITY ARE AVAILABLE, THESE WOULD BE PREFERRED. REQUEST HQS ASCERTAIN IF TWO SUCH UNITS ARE AVAILABLE.

5. EXISTING REGULATOR INSTALLATION PROTECTED BY KYLE TYPE R RECLOSER, ALSO 3 SETS LIGHTNING ARRESTORS ON LINE SIDE AS WELL AS BY PASS ARRESTORS ON REGULATOR BUSHINGS.

6. RE PARA 3. ASSUME CORE TYPE REGULATOR TO BE INDUCTION

25X1A TYPE. PREFERS ALLIS-CHAMBERS 5 1/8 PERCENT STEP

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25X1A PAGE 2 [REDACTED] **CONFIDENTIAL**

REAL ESTATE
& CONSTRUCTION DIVISION

REGULATOR TAP CHANGING TYPE.

7. REQUISITION 770-66-26291 FAN 7137-1600 APPLIES. PRA

AUG 10 1 38 PM '66

OBLIGATED USD 9600.00. ADVISE ITEM TO BE FURNISHED.

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